

Date: 22 Aug 94 16:32:00 GMT

From: news-mail-gateway@ucsd.edu
Subject: (none)
To: ham-digital@ucsd.edu

UNSUBSCRIBE ham-digital

Date: 22 Aug 1994 17:53:46 GMT
From: newsgw.mentorg.com!wv.mentorg.com!hanko@uunet.uu.net
Subject: ?Fastest speed on HF/SSB ?
To: ham-digital@ucsd.edu

In article <33725t\$6s1@kaiwan.kaiwan.com>, jlin@kaiwan.com (GECL) writes:

|>
|>
|> What is the fastest speed of digital transmission on HF/SSB radio ?
|> using which protocol and modem ?

750 bps, CLOVER, HAL PCI-4000.

--

Hank Oredson @ Mentor Graphics Library Operations
Internet : hank_oredson@mentorg.com "Parts 'R Us!"
Amateur Radio: WORLI@WORLI.OR.USA.NOAM

Date: 22 Aug 94 11:54:07 CDT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!vixen.cso.uiuc.edu!
newsfeed.ksu.ksu.edu!moe.ksu.ksu.edu!kuhub.cc.ukans.edu!erlang.tisl.ukans.edu!
sbush@network.ucsd.edu
Subject: ATM over radio...
To: ham-digital@ucsd.edu

I have a few questions concerning digital radio protocols.

First, does anyone have any good references for ATM over radio ?

Second, does anyone have any good references for general packet radio protocols ?

Third, can someone tell me the address of the mobile-ip mailing list ?

Thanks,
Steve Bush

Date: 22 Aug 1994 21:46:32 -0400
From: bronze.coil.com!bronze.coil.com!not-for-mail@uunet.uu.net
Subject: Can packet radio do point-to-multipoint HIGH speed IP?
To: ham-digital@ucsd.edu

I need to send IP packets over the air at high speeds (Ethernet speeds
-10Mbps or close). The ketch is I need to use one transmitter to
broadcast/reciev from multiple points. As you can see I am new to packet
radio so as much detail as possible would be appreciated!

- Thanks!

please call me at 614-766-7780 so I can call you back (cuz of the lond
distance so that we can discuss this application of packet radio. I say
once again - I am new to packet radio and I need all the help I can get :)!

Date: 23 Aug 1994 02:21:45 GMT
From: news.uiowa.edu!panda@uunet.uu.net
Subject: Can packet radio do point-to-multipoint HIGH speed IP?
To: ham-digital@ucsd.edu

In note <33bkdo\$25i@bronze.coil.com>, rumbo@bronze.coil.com (Rumbo!) writes:
>I need to send IP packets over the air at high speeds (Ethernet speeds
>-10Mbps or close). The ketch is I need to use one transmitter to
>broadcast/reciev from multiple points. As you can see I am new to packet
>radio so as much detail as possible would be appreciated!

Fastest standard I know of is 56Kbps... I don't know of any 10Mbps
broadcast equipment...)

>- Thanks!

>please call me at 614-766-7780 so I can call you back (cuz of the lond
>distance so that we can discuss this application of packet radio. I say
>once again - I am new to packet radio and I need all the help I can get :)!
>
>

Date: 22 Aug 1994 17:54:49 GMT
From: newsgw.mentorg.com!wv.mentorg.com!hanko@uunet.uu.net
Subject: Clover
To: ham-digital@ucsd.edu

In article <3387vm\$6sk@golden.ncw.net>, pbriggs@golden.ncw.net (Patrick Briggs)
writes:

|> Any Clover users around?

|>
|> -----
|> Patrick R. Briggs
|> pbriggs@golden.ncw.net

Yes.

--

Hank Oredson @ Mentor Graphics Library Operations
Internet : hank_oredson@mentorg.com "Parts 'R Us!"
Amateur Radio: WORLI@WORLI.OR.USA.NOAM

Date: 22 Aug 1994 22:52:46 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!news.cac.psu.edu!
news.pop.psu.edu!ra.nrl.navy.mil!news!zielke@network.ucsd.edu
Subject: HF Packet
To: ham-digital@ucsd.edu

I am in the process of examining the possibilities of using HF packet to provide communication between my sailboat while at sea and land based e-mail connections. I have been a ham since the late 70's and have been inactive for some time. Suggestions of what kind of gear (HF rig, TNC, computer) would be very helpful. I will most likely be loading the backstay as an antenna.

Also, I am trying to decide between Intel based PC's and the Mac portables (something like a 540 active monochrome in the mac line or a 486 33mhz laptop in the intel world).

David

Date: Mon, 22 Aug 1994 20:56:55 GMT
From: ihnp4.ucsd.edu!mvpb.saic.com!eskimo!rdonnell@network.ucsd.edu
Subject: Need 9600 baud mod info for IC271/471
To: ham-digital@ucsd.edu

Steve Diggs (steve.diggs@totrbbs.atl.ga.us) wrote:

: Here you go, Tom. BTW, I am looking for 9k6 mod. info on GE MstrII
: crystal controlled rigs, plus the Kenwood TM401

: Regards,
: Steve Diggs

: East Atlanta LAN

Hi Steve,

If the Mastr II is one using a PLL exciter (only adjustments are xtal freq, deviation, and an inductor near the back of the board) then all you have to do is inject TX audio right into the audio input pin on the TCX0. If you are building a repeater, you will probably want to modify the PLL so that it runs all the time. If I recall you have to jumper power to the board that is normally switched by the PTT, then use the PTT signal to turn on and off one of the later buffer amps in the exciter. I've done this, but it was about two years ago, and (by the way) the repeater has been running continously since then. Only troubles are caused by our low-budget startup - we didn't invest in having the TCX0 temperature compensated to the crystal, and the repeater is on a 5000' mountain. During the cold weather, it was necessary to send lots of data to the hill (pings) to get the machine warm enough repeat packets decently. We are using the TAPR 9600 modem on this system.

If the Mastr II is one of the conventional design exciters, it is probably very similar to the MVP and Exec II mobiles. Our group has modified a whole bunch of MVP's. The TX mod is to apply modulation through a 2.2k resistor directly to the varactor diode on the channel element. This takes up to 6 volts p-p to get proper deviation, so either a buffer amp is needed, or the output buffer on the modem has to be modified. We've done the latter to a number of the TAPR modems.

The receive mods can be done two ways. This appears to apply to all the GE Mastr II's, MVP's, and Exec II's, as they use the same board set for the receiver. On the IF/detector board, you can either 1) tap right off the audio out pin of the detector chip, or 2) take the RX audio off of the board output and remove all the caps in the 3-transistor amp stage between the detector chip and output that affect frequency response. The latter is reccomended to give a little more signal level for the modem to work with.

Hope that gets you headed in the right direction.

73, Bob

--

Bob Donnell, kd7nm bob@ethanac.kd7nm.ampr.org rdonnell@eskimo.com
Western Washington Amateur IP Address Coordinator (206) 775-3651

Date: Mon, 22 Aug 94 16:15:22 -0500

Date: Mon, 22 Aug 1994 19:19:59 GMT
From: ihnp4.ucsd.edu!pacbell.com!att-out!nntpa!devildog!newsadm@network.ucsd.edu
Subject: Radio Shack TRS-80 Model 100 for Packet?
To: ham-digital@ucsd.edu

In <1994Aug20.152218.10432@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary Coffman) writes:

>In article <Custux.8Fv@freenet.carleton.ca> aa642@FreeNet.Carleton.CA (Gordon Phillips) writes:

>>

>>1) Is this rather old computer suitable for portable packet?

[stuff deleted here]

>

>Yes indeed. The only problem is the 40 column lines. Most packet is
>formatted for a 80 column screen, so lines wrap and make formatted
>messages look funny.

>

An 80 column VT100 emulator does exist. It only shows 40 columns at a time, but it might help you out. It was on one the ftp sites on the Internet as vt100.bas and vt100.doc

>>4) the model 100 runs at 300 bps through its internal phone modem, what
>> speed can I expect to operate the tnc via the rs232 port?

>

>The TRS100 will support faster speeds on it's serial port. I don't
>recall exactly how fast it will go, I sold mine a while back, but
>I'm sure it'll do 9600 and maybe 19.2 kb.

>

One minor nit here... The TRS-100 and TRS-102 will only print to the screen up to about 400-600 baud. The laptop's serial port will communicate up to 9600 (or 19200) as long as you aren't using the LCD screen. (For example, doing a file transfer with a PC using some terminal program. You download to a file and don't print to the screen hence you can go fast.)

The Tandy 200 laptop (with the 16 line screen) can handle up to 1200 baud when writing to the screen. If you try to run the serial port above these rates (while updating the screen) you will either start losing characters or you will see your actual throughput drop to the screen writing speed (depending on flow control).

Doug
doug@acpy01.utsd.att.com

Date: Mon, 22 Aug 94 13:47:27 MST
From: news.sprintlink.net!primeret!stat!david@uunet.uu.net
Subject: WANT: Packet Software for KAM
To: ham-digital@ucsd.edu

cmwdr01@nt.com (Dave Redfearn) writes:

> I am looking for a software package for the Kantronicsa KAM which allows
> simultaneous connections to the VHF and HF ports (ie an AMTOR connection on
> HF and a packet connection on VHF at the same time). Apparently this requires
> the KAM to run in host mode. I also have the newest ROM installed so the KAM
> runs GTOR and the program would need to handle that too.
> Thanks - Dave.

I am running KAGold 9.02; which I have been very happy with, and does
everything you ask plus more.

david

Editor, HICNet Medical Newsletter

Internet: david@stat.com

FAX: +1 (602) 451-1165

Bitnet : ATW1H@ASUACAD

Date: Mon, 22 Aug 94 09:52:52 -0500
From: news2.near.net!news.delphi.com!usenet@yale.arpa
Subject: Yaesu 2 Meter All-Mode for Sale
To: ham-digital@ucsd.edu

FOR SALE:

Yaesu FT-290 RII 2 Meter All-Mode Transceiver
- DTMF Microphone
- 25 Watt Amplifier
- Mobile Mounting Bracket (never installed)

This rig is in perfect condition. I purchased it for
the Spring VHF Sweeps and have used it about 6 times
since then. The receiver section and audio on this
rig are excellent, and the SSB is exceptionally sweet.

Unfortunately I must part with it for financial reasons.

The first \$450 takes it away.

respond via Email to brunelli_pc@delphi.com

pete brunelli
n1qdg

Date: 22 Aug 1994 13:58:45 -0400
From: noc.near.net!chaos.dac.neu.edu!not-for-mail@uunet.uu.net
To: ham-digital@ucsd.edu

References <3343hs\$1o4@on-ramp.ior.com>, <CuuDwC.LM@metronet.com>,
<Cuuo4K.2nv@vectorbd.com>dac.neu
Subject : Re: HELP..TCP/IP

To get into TCP/IP packet, you will need to do the following:

- 1) Ask hams in your area what TCP/IP stations are operating in your area, and on what frequencies those stations live on; also ask who the IP address coordinator for your area is, and how to contact them;
- 2) Try to connect via a normal AX.25 connection to those stations. Whichever one you can connect to the easiest is the station you should stick with and remember;
- 3) Ask your IP coordinator for an IP address based on that IP station you were able to connect to.
- 4) Grab a copy of NOS (I like JNOS, available via anonymous FTP in ftp.uscd.edu:/hamradio/packet/tcpip), and ask a friend already on TCP/IP for a copy of autoexec.nos, the file which tells your NOS program all the settings it needs to know.
- 5) If the person who gave you the autoexec.nos file didn't customize it for you, you will need to edit it to add your IP address and hostname.

Now, getting back to the KISS thing. Once in KISS mode, if you have a working copy of autoexec.nos, and you start JNOS, you can tell your TNC to go back into AX.25 mode with the command 'param ax0 255' or something similar, depending on your TNC.

Or, if you prefer, you can perform an AX.25 from within NOS by typing
'connect ax0 station_you_want' AX0 is the "interface" name, or, simply,
tells JNOS what port your TNC is connected to (an alias for the com port).

When all else fails, there is a jumper in most TNCs which can disable the
battery which keeps your info stored in your TNC's RAM. Once you remove
the jumper, you wipe out all the info (parameters) stored in its RAM, and
go back to AX.25 mode. From this point, you can perform normal AX.25
communication again.

Hope the above helps.

73,
Scott

--

Scott Ehrlich, Amateur Radio Callsign: wylz wylz@ka2jxi.ny [AX.25 Packet]
E-mail addresses: wylz@neu.edu [Internet], wylz@wa1phy.ampr.org [TCP/IP Packet]
Boston ARC ftp archives: ftp oak.oakland.edu /pub/hamradio
Boston ARC Web page: <http://www.acs.oakland.edu/barc.html>

End of Ham-Digital Digest V94 #282
